



SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Dario Neri  
Lorenzo Tarli  
Francesca Viti  
Manfred Birchler

(ii) TITLE OF INVENTION:

SPECIFIC BINDING MOLECULES FOR SCINTIGRAPHY, CONJUGATES  
CONTAINING THEM AND THERAPEUTIC METHOD OF TREATMENT  
OF ANGIOGENESIS

(iii) NUMBER OF SEQUENCES: 21

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: PEPPER HAMILTON LLP  
(B) STREET: 600 Fourteenth Street, N.W.  
(C) CITY: Washington  
(D) STATE: D.C.  
(E) COUNTRY: U.S.A.  
(F) ZIP: 20005-2004

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy Disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC Windows  
(D) SOFTWARE: WP 8.0

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:  
(B) FILING DATE: April 28, 1999  
(C) PRIOR APPLICATION: US 09/075,338  
(D) PRIOR APPLICATION FILING DATE: May 11, 1998  
(E) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION

(A) NAME: Pepper Hamilton LLP  
(B) REGISTRATION NUMBER: 021269  
(C) REFERENCE/DOCKET NUMBER: 113000.301

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (202) 220-1200  
(B) TELEFAX: (202) 220-1665

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24  
(B) TYPE: DNA  
(C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

(A) NAME/KEY:  
(B) LOCATION:  
(C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: LMB1bis

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

gcggcccagc cgccatggc cgag

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 54  
(B) TYPE: DNA  
(C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

(A) NAME/KEY:

(B) LOCATION:

(C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: DP47CDR1for

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

gagcctggcg gacccagctc atmnnmnnmn ngctaaaggt gaatccagag gctg

54

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 23

(B) TYPE: DNA

(C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

(A) NAME/KEY:

(B) LOCATION:

(C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: DP47CDR1back

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

atgagctggg tccgccaggc tcc

23

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 60

(B) TYPE: DNA

(C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

(A) NAME/KEY:

(B) LOCATION:

(C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: DP47CDR2for

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

gtctgcgtag tatgtgttac cmnnactacc mnnaatmmnt gagaccact ccagcccctt

60

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24

(B) TYPE: DNA

(C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

(A) NAME/KEY:

(B) LOCATION:

(C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: DP47CDR2back

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

acatactacg cagactccgt gaag

24

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 53

(B) TYPE: DNA

(C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

(A) NAME/KEY:

(B) LOCATION:

(C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: JforNot

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
tcattctcga cttgcggcgc ctttgatttc caccttggtc ccttggccga acg 53

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 47
- (B) TYPE: DNA
- (C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

- (A) NAME/KEY:
- (B) LOCATION:
- (C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: DPKCDR1for

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
gtttctgctg gtaccaggct aamngctgc tgtaacact ctgactg 47

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 23
- (B) TYPE: DNA
- (C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

- (A) NAME/KEY:
- (B) LOCATION:
- (C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: DPKCDR1back

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
ttagcctggt accagcagaa acc 23

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 46
- (B) TYPE: DNA
- (C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

- (A) NAME/KEY:
- (B) LOCATION:
- (C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: DPKCDR2for

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
gccagtggcc ctgctggatg cmnnatagat gaggagcctg ggagcc 46

(2) INFORMATION FOR SEQ ID NO:10:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 21
- (B) TYPE: DNA
- (C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

- (A) NAME/KEY:
- (B) LOCATION:
- (C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: DPKCDR2back

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
gcatccagca gggccactgg c 21

(2) INFORMATION FOR SEQ ID NO:11:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 45

(B) TYPE: DNA  
 (C) ORGANISM: ARTIFICIAL SEQUENCE  
 (ii) FEATURE:  
     (A) NAME/KEY:  
     (B) LOCATION:  
     (C) OTHER INFORMATION:  
 Description of Artificial Sequence: PCR primer: DP47baNco  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
 gcggcccagc atgcatggc cgaggtgcag ctgttggagt ctggg 45  
 (2) INFORMATION FOR SEQ ID NO:12:  
     (i) SEQUENCE CHARACTERISTICS:  
         (A) LENGTH: 55  
         (B) TYPE: DNA  
         (C) ORGANISM: ARTIFICIAL SEQUENCE  
     (ii) FEATURE:  
         (A) NAME/KEY:  
         (B) LOCATION:  
         (C) OTHER INFORMATION:  
 Description of Artificial Sequence: PCR primer: CDR3for  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
 gggtccctgg cccagtagt caaamnnmnn mnnmnnnttc gcacagtaat atacg 55  
 (2) INFORMATION FOR SEQ ID NO:13:  
     (i) SEQUENCE CHARACTERISTICS:  
         (A) LENGTH: 24  
         (B) TYPE: DNA  
         (C) ORGANISM: ARTIFICIAL SEQUENCE  
     (ii) FEATURE:  
         (A) NAME/KEY:  
         (B) LOCATION:  
         (C) OTHER INFORMATION:  
 Description of Artificial Sequence: PCR primer: VHpullth  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
 gcggcccagc atgcatggc cgag 24  
 (2) INFORMATION FOR SEQ ID NO:14:  
     (i) SEQUENCE CHARACTERISTICS:  
         (A) LENGTH: 66  
         (B) TYPE: DNA  
         (C) ORGANISM: ARTIFICIAL SEQUENCE  
     (ii) FEATURE:  
         (A) NAME/KEY:  
         (B) LOCATION:  
         (C) OTHER INFORMATION:  
 Description of Artificial Sequence: PCR primer: Jassm  
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:  
 cccgctaccg ccactggacc catcgccact cgagacggtg accaggggtc cctggcccca 60  
 gtagtc 66  
 (2) INFORMATION FOR SEQ ID NO:15:  
     (i) SEQUENCE CHARACTERISTICS:  
         (A) LENGTH: 62  
         (B) TYPE: DNA  
         (C) ORGANISM: ARTIFICIAL SEQUENCE  
     (ii) FEATURE:  
         (A) NAME/KEY:

(B) LOCATION:

(C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: DPK22assm

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

gatgggtcca gtggcggtag cgggggcgcg tcgactggcg aaattgtgtt gacgcagtct 60  
cc 62

(2) INFORMATION FOR SEQ ID NO:16:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 63

(B) TYPE: DNA

(C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

(A) NAME/KEY:

(B) LOCATION:

(C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: DPK3for

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:

caccttggtc ccttggtccga acgtmnnccg mnnmnnaccm nctgctgac agtaatacac 60  
tgc 63

(2) INFORMATION FOR SEQ ID NO:17:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 56

(B) TYPE: DNA

(C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

(A) NAME/KEY:

(B) LOCATION:

(C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: Jfornot

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:

gagtcattct cgacttgctg cgcgtttgat ttccaccttg gtcccttggc cgaacg 56

(2) INFORMATION FOR SEQ ID NO:18:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24

(B) TYPE: DNA

(C) ORGANISM: ARTIFICIAL SEQUENCE

(ii) FEATURE:

(A) NAME/KEY:

(B) LOCATION:

(C) OTHER INFORMATION:

Description of Artificial Sequence: PCR primer: VLpullth

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:

gatgggtcca gtggcggtag cggg 24

(2) INFORMATION FOR SEQ ID NO:19:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 116

(B) TYPE: PRT

(C) ORGANISM:

VH antibody specific for ED-B domain of fibronectin

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe

